

# cloudOTDR Pro.

## Description.

The cloudOTDR is an innovative solution designed to enhance the testing and troubleshooting of fiber optic networks. The cloudOTDR Pro model is equipped with an integrated OTDR which is controlled with a mobile app through our cloudOTDR platform. It is designed to work with a local connected cloudSwitch (sold separately) and cloudOTDR Modular Launch Fiber (sold separately).



Figure 1: cloudOTDR Pro with cloudSwitch and cloudOTDR Launch fibers connected

Due to the integrated high quality OTDR and ability to connect both local and remote installed cloudSwitches it is the best choice in high volume fiber measurement cases for installation, activation and monitoring situations.

## Key features.

| Feature                  | cloudOTDR Pro                       |
|--------------------------|-------------------------------------|
| Application              | High volume                         |
| Integrated OTDR          | Yes                                 |
| Integrated VFL           | Yes                                 |
| OTDR wavelengths         | 1310 + 1550 (S), 1625 (O), 1650 (O) |
| Monitoring capable       | Optional                            |
| Integrated battery       | Yes                                 |
| External battery         | Optional                            |
| Internal fiber ports     | 1                                   |
| External fiber ports     | Refer to cloudSwitch                |
| Remote switching capable | Standard                            |
| Connectivity             | LAN / 4G                            |

Where multiple options are specified: (S) = Standard, (O) = Optional

## Included accessories.

- cloudOTDR power supply
- mobile network antenna with extension cable
- cloudOTDR-cloudSwitch connector cable
- Patchcord SC/APC

## Technical specifications 1330+1550.

| Item                                  | Specification  | Remarks                                     |
|---------------------------------------|--|---|
| Wavelength                            | 1310 ±25 nm<br>1550 ±25 nm   | at 25°C<br>Pulse width: 1 µs                |
| Distance range                        | 5/10/25/50/100/200/250/400 km  | IOR=1.500000                                |
| Pulse width                           | 10 ns ±30%<br>30 ns ±25%<br>100 ns ±10%<br>300 ns ±10%<br>1 µs ±10%<br>3 µs ±10%<br>10 µs ±10%<br>20 µs ±10%     |   |
| Dynamic range                         | ≥40 dB<br>≥38 dB   | at 25°C, 20 µs<br>at -5 to +55°C<br>(SNR=1) |
| Deadzone<br>(Back-scattered light)    | ±10 m  | Pulse width: 10 ns                          |
| Deadzone<br>(Fresnel reflection)      | ±2 m   | Pulse width: 10 ns<br>Return loss: ≤35 dB   |
| Sampling resolution                   | 0.05 to 80 m   | IOR=1.500000                                |
| Sampling points                       | Normal mode: 5001, 6251<br>Fine mode: 20001, 25001   |   |
| IOR setting                           | 1.400000 to 1.699999 (per 0.000001)  |   |
| Distance measurement accuracy         | ±1 m ±3 × 10 <sup>-5</sup> × measurement distance<br>±sampling space (excluding uncertainty caused by fiber IOR) |   |
| Loss measurement accuracy (Linearity) | ±0.05 dB/dB or ±0.1 dB (whichever is greater)  |   |
| Return loss measurement accuracy      | ±2 dB  |   |
| VFL                                   | 10 mw  |   |
| Dimensions                            | L: 30 x W: 34 x H: 36 cm   |   |
| Battery life                          | Approximately 1 day  | With full load                              |